

Title (en)

Castor oil based polyurethane for underbody coatings and the like.

Title (de)

Auf Rizinusöl basierende Polyurethane für Unterboden-Beschichtungen und ähnliche Verwendungen.

Title (fr)

Polyuréthanes à base d'huile de ricin pour le revêtement de la partie inférieure de châssis et applications apparentées.

Publication

EP 0364738 A1 19900425 (EN)

Application

EP 89117090 A 19890915

Priority

- US 24713788 A 19880921
- US 36997089 A 19890622

Abstract (en)

Two component polyol/polyisocyanate composition useful in forming an abrasion resistant polyurethane automotive undercoating. The polyol component is unmodified castor oil or castor oil modified with cyclohexanone-formaldehyde condensate. The modified castor oil may be further modified by adding the reaction product of neopentyl glycol and adipic acid. The polyisocyanate component comprises an MDI-based mixture containing polyisocyanate prepolymers based on alkylene oxides.

IPC 1-7

C08G 18/36; C08G 18/40; C08G 18/54; C08G 18/66; C08G 18/72; C08G 18/80; C09D 175/04

IPC 8 full level

C09D 175/04 (2006.01); **C08G 18/10** (2006.01); **C08G 18/36** (2006.01); **C08G 18/40** (2006.01); **C08G 18/48** (2006.01); **C08G 18/54** (2006.01); **C08G 18/64** (2006.01); **C08G 18/66** (2006.01); **C08G 18/72** (2006.01); **C08G 18/80** (2006.01); **C09D 175/00** (2006.01); **C09D 175/08** (2006.01)

CPC (source: EP)

C08G 18/10 (2013.01); **C08G 18/36** (2013.01); **C08G 18/4027** (2013.01); **C08G 18/548** (2013.01); **C08G 18/6662** (2013.01); **C08G 18/721** (2013.01); **C08G 18/8019** (2013.01)

Citation (search report)

- [Y] EP 0280981 A1 19880907 - GRACE W R & CO [US]
- [YD] GB 1182884 A 19700304 - BAYER AG [DE]
- [A] GB 1369334 A 19741002 - ICI LTD

Cited by

CN111511845A; EP0693512A1; US9475972B2; WO2019120747A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0364738 A1 19900425; EP 0364738 B1 19940824; AT E110398 T1 19940915; DE 68917675 D1 19940929; DE 68917675 T2 19941215; ES 2057038 T3 19941016; JP H02180914 A 19900713

DOCDB simple family (application)

EP 89117090 A 19890915; AT 89117090 T 19890915; DE 68917675 T 19890915; ES 89117090 T 19890915; JP 24241289 A 19890920